

C-1022

**Project Title: Cowiche Canyon Sewer Extension**

[If your Watershed Plan Implementation and Flow Achievement Request is related to or part of a Operational Project Funding Request for 2009-11 please cross-reference the name of that project in parenthesis above]

**County:** Yakima

**WRIA:** 37

If more space is needed attach additional sheets

<b>1. Applicant Information</b>		
<b>Applicant name</b> City of Yakima	<b>Phone no.</b> (509) 249-6814	<b>Fax no.</b> (509) 575-6116
<b>Address</b> 2220 East Viola		
<b>City</b> Yakima	<b>State</b> WA	<b>Zip code</b> 98901
<b>Email address</b> mlinden@ci.yakima.wa.us		
<b>Water right holder name (If applicable and if other than applicant)</b> NA	<b>Phone Number</b> ( )	<b>Fax Number</b> ( )
<b>Mailing address</b> 2220 East Viola		
<b>City</b> Yakima	<b>State</b> WA	<b>Zip code</b> 98901

<b>2. Project Location</b>
<b>Project name</b> Cowiche Canyon Sewer Extension
<b>Project location</b> Yakima River
<b>Stream reach mile or location</b> Cowiche Creek

<b>3. Project Type and Description</b>
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(Check all that apply)

Conservation and/or infrastructure improvement  
(pumps and pipes)

X

Water storage feasibility study

☐

Water exchange or water right acquisition

☐

Please describe your project in detail

For over a decade the City of Yakima has been upgrading the sanitary sewer lines in the Eastern and Northern portions of the city. This has been done to better serve existing and new growth in un-sewered areas such as Cowiche Canyon. Extending sanitary sewer to Cowiche Canyon will reduce fecal contamination to ground and surface water by eliminating the use of new onsite systems and providing sanitary sewer to existing homes with onsite septic systems. Presently sanitary sewer has been extended within ½ mile of Cowiche Creek. Yakima County will be restoring the road along the creek in the summer and fall of 2009. This provides the opportunity for the City to construct the sewer line in conjunction with the work to be done by Yakima County, which will eliminate the expense and inconvenience of a second road demolition and reconstruction.

The major obstacle at this point is finding the funding to complete both design and construction of the project. When funding becomes available the City can initiate the design and then construct the sanitary sewer trunk lines. Once the trunk lines are installed future development will pay for extending the collection lines throughout the area.

Use this box to make any other comments regarding the project and water rights involved

The Department of Ecology has determined that Cowiche Creek is experiencing substantial environmental degradation. Cowiche Creek is on the State's 303(d) list of impaired water bodies and has a TMDL underway for fecal coliform. The TMDL identifies the degradation of water quality by fecal coliform pollution sources including onsite septic systems. Cowiche Canyon is currently served by on-site septic systems but the topography is very steep and not well suited for these systems. Development is very desirable for growth in this area. The TMDL will develop a clean-up plan to restore Cowiche Creek to state water quality standards. Providing sanitary sewer service to Cowiche Canyon has been recognized by Ecology to be a key action in the reclamation efforts.

Describe the project by task (statement of work)

Task 1- Prepare agreement with Yakima County to incorporate the sewer line construction in conjunction with their road project.

Task 2- Have design prepared and implemented into Yakima County's plans and specifications.

Task 3- Construction of the sanitary sewer.

#### **4. Project Budget**

Project Budget

\$300,000.00

Total budget by project task or by expenditure

Task 1 - Agreement - \$5,000

Task 2 - Design- \$70,000

Task 3 - Construction \$225,000

## 5. Funding Source Information

Total project amount expected to be provided by sources other than this program grant (dollar total and percent of project budget)

\$600,000

Identify sources and type of funding other than through this program grant. Include expected dates of participation. Include as an attachment; letters of commitment, offer letters, application approvals, etc.

Source and type of funding: An additional \$600,000 dollars of funding has been identified for other phases of the project to date. The major obstacle at this point is finding the funding to complete both design and construction of this phase of the project. When funding becomes available the City can initiate design and construction of the sanitary sewer trunk lines. Once the trunk lines are installed future development will pay for extending the collection lines throughout the area.

Amount: \$600,000

Status: Pending

Dates of participation: As soon as funding has been secured for this phase of the project

Source and type of funding:

Amount:

Status:

Dates of participation:

Source and type of funding:

Amount:

Status:

Dates of participation:

Source and type of funding:

Amount:

Status:

Dates of participation:

Source and type of funding:

Amount:

Status:

Dates of participation:

Source and type of funding:

Amount:

Status:

Dates of participation:

Summer and Fall, 2009

## 6. Instream Flow and other Instream Habitat Benefits

### A. Water Right Information - Attach Water Right documents

(You may skip this section if this application is for Storage Feasibility Study funding)

Water right holder's name (if other than applicant) NA	Phone no: (    )	Fax no: (    )
Address		
City	State	Zip code
Complete legal description of the property attached to this water right:		
Water right number:		
Parcel number associated with this water right:		
Do you own the property proposed for this project? If not, please explain:		
If the grant applicant is not the water right holder, please explain the reason:		
Water source (Stream name).		

### B. Water Usage

Has water been put to beneficial use in the past five years? NA

Yes ☐ No ☐ I don't know

Describe that use in terms of the specific beneficial use during that period:

(Please attach any available documents that verify that use during the last five years. Include aerial photographs, power company records, flow meter records, crop type records, NRCS documentation or FSA records)

Has beneficial use of this water ceased for a period of five or more years during any period since 1967?  
Yes ☐ No ☐

Please describe the beneficial use for the water quantified under the water right discussed above.  
Describe the following: purpose (examples: domestic, irrigation, municipal); system type; if irrigation, describe crop type.

Quantify as nearly as possible current water use:

Instantaneous rate (QI) of use: CFS

Annual rate (QA) of use ACRE- FEET

Historic beneficial use quantity of the water right (highest of the last 5 years/ irrigation seasons in instantaneous and annual quantities)

\_\_\_\_\_ CFS \_\_\_\_\_ ACRE- FEET

If irrigation, how many acres are irrigated under this water right?

Are there other water rights associated with this specific water right?

In order to process this pre-application ecology requires the following information (include for the previous five years; please attach copies of all documents and maps)

- ◆ Power data (contact local power utility for pump records, etc.)
- ◆ Historical crop type data (contact local FSA office)
- ◆ Flow meter records (contact local power utility)
- ◆ Aerial photos (contact local FSA office)

### C. Estimated Total Water Savings

**Infrastructure projects:** Estimate the water to be conserved through this project. Provide engineering or technical analysis to support this estimate.

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOT
QA (ACRE-FEET)													
QI (CFS)													

### D. Additional Instream Benefits

Describe other instream benefits envisioned as a result of funding this project:

The Department of Ecology has determined that Cowiche Creek is experiencing substantial environmental degradation. Cowiche Creek is on the State's 303(d) list of impaired water bodies for fecal coliform and has a TMDL underway. The TMDL identifies the degradation of water quality by fecal coliform pollution sources, including onsite septic systems. Cowiche Canyon is currently served by on-site septic systems and is very steep and not well suited for onsite septic systems. Development is very desirable for growth in this area. A TMDL clean-up plan is being developed to restore Cowiche Creek to state water quality standards. The plan identifies that an important action in restoring the creek will be providing sanitary sewer service to Cowiche Canyon residences.



**7. Resources currently committed to ensure long-term performance of the proposed project (operation and maintenance).**

Who is responsible for long-term operation and maintenance of the project?  
City of Yakima Wastewater Division

Have operation and maintenance costs been identified? Yes X No ☐

If yes, please describe: The maintenance and cleaning of sanitary sewer lines is done through established preventive maintenance (pm).

Summarize these costs on an annual basis below:  
\$500 to \$1000 /year.

Are measurement devices other than diversion source meters necessary to monitor compliance with the project intent or plan? Yes ☐ No X

If yes, please describe:

Does a water measurement device exist on the source and downstream of the proposed project?  
☐ yes X no

If no, will a water measurement device be installed as part of this project? Yes ☐ No X  
If yes, describe location and operating entity:

If yes, provide the river mile:

What is the nearest stream gage downstream of the proposed project? Source name  
BOR gauging station at Parker  
River mile :

**8. Proponent's Readiness to Proceed**

Describe status of feasibility reports, engineering design, and permits. Provide documentation for these deliverables and describe the project effort timeline as appropriate (submit two (2) copies of all required documents).

The agreement between the City of Yakima and Yakima County is being prepared at this time for the design and construction of the sanitary sewer line. The engineering design and permits for the construction of the sanitary sewer will be finalized by spring 2009.

Does the project proponent own the land for the proposed project? If not, does the proponent have documented access to the right of way or owns an easement to the property proposed (please attach appropriate documentation including title report as applicable).

This is in County road right-of-way and easements will be covered in the agreement between Yakima County and the City of Yakima.

Design/Engineering Status:

Pre-planning (pre - permitting)	<input checked="" type="checkbox"/>	Status:
Pre-design (design reports) (10%)	<input type="checkbox"/>	Status:
Schematic design (30%)	<input type="checkbox"/>	Status:
Design development (75%)	<input type="checkbox"/>	Status:
Construction documents (95%)	<input type="checkbox"/>	Status:
Bid documents (ready for bid)	<input type="checkbox"/>	Status:

Permit Status

SEPA By Yakima County	<input checked="" type="checkbox"/>	Status: Complete
401	<input type="checkbox"/>	Status:
Dept. of Fish and Wildlife consultation	<input type="checkbox"/>	Status:
Storage and/or Secondary Use Permit	<input type="checkbox"/>	Status:
Other: ( _____ )	<input type="checkbox"/>	Status:
Other:( _____ )	<input type="checkbox"/>	Status:
Other: ( _____ )	<input type="checkbox"/>	Status:

**9. Signatures** (send this sheet electronically and by original signature in surface mail)

I certify that the information above is true and accurate to the best of my knowledge.

I understand that in order to process my application, I am hereby granting staff from the Department of Ecology access to the above site(s) for inspection and monitoring purposes.

If assisted in the preparation of the above application, I understand that all responsibility for the accuracy of the information rests with me.

I also understand that I may rescind this application at any time prior to signing the Agreement with no other obligations or requirements.

City of Yakima 12/23/2008  
(Applicant/ Grant Recipient) (Date)

*Max Burdick*  
*Utility Engineer*

\_\_\_\_\_  
(Water Right Holder)

\_\_\_\_/\_\_\_\_/\_\_\_\_  
(Date)

Yakima County 12/23/2008  
\_\_\_\_/\_\_\_\_/\_\_\_\_

(Land Owner(s) of Existing Place of Use) (Date)

For More Information Contact:

Dave Burdick

**Voice:** (360) 407-6094

**Email:** [dbur461@ecy.wa.gov](mailto:dbur461@ecy.wa.gov)

**Web:** <http://www.ecy.wa.gov/watershed/Index.html>

If you need this document in an alternate format, please call the Water Resources Program at 360-407-6600. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341